## WHAT IS CLAIMED IS:

An ink for ink jet comprising:

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- a first solution containing a solvent which is polymerizable in the presence of an acid and a colorant dispersed in said solvent; and
- a second solution containing a photo-acid generating agent which is capable of generating an acid as it is irradiated with light and prepared separate from said first solution, said second solution being preserved separate from said first solution.
- 2. The ink according to claim 1, wherein said first solution further comprises a basic compound and/or a basicity-adjusting compound.
  - 3. An ink jet recording apparatus comprising:
- a color ink container having a capacity V1 accommodating therein a solvent which is polymerizable in the presence of an acid and a colorant dispersed in said solvent;
- a reaction liquid container having a capacity V2

  (V2<V1) accommodating therein a reaction liquid

  comprising a solvent, and a photo-acid generating agent

  which is dissolved in said solvent and capable of

  generating an acid as it is irradiated with light;
- a stirring container mixing said color ink and

  25 said reaction liquid at a mixing ratio of S1:S2 (said color ink: said reaction liquid) to prepare a recording ink;

a color ink supply means feeding said color ink from said color ink container to said stirring container;

a reaction liquid supply means feeding said reaction liquid from said reaction liquid container to said stirring container;

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an ink jet recording head ejecting said recording ink to a recording medium; and

a supply tube feeding said recording ink to said recording head.

- 4. The ink jet recording apparatus according to claim 3, wherein said reaction liquid container is kept at a temperature lower than that for keeping said color ink container.
- 5. The ink jet recording apparatus according to claim 3, further comprising a cooling fan for cooling said reaction liquid container.
  - 6. The ink jet recording apparatus according to claim 3, wherein a ratio between a capacity (V2) of said reaction liquid container and a capacity (V1) of said color ink container (V2<V1) is smaller than the mixing ratio(S2/S1) between said reaction liquid and said color ink in said stirring container.
- 7. The ink jet recording apparatus according
  to claim 3, further comprising an image datastoring/processing device, a recording ink residuedetecting monitor detecting the quantity of residual

recording ink remaining inside said agitating container, and a control device, wherein image information and residual ink information are fed respectively from said image data-storing/processing device and said ink residue-detecting monitor to said control device, said image information and said residual ink information being subsequently fed to said color ink supply means as well as to said reaction liquid supply means.

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8. The ink jet recording apparatus according to claim 3, wherein said color ink and said reaction liquid are fed to said stirring container at a ratio enables said recording ink to contain said photo-acid generating agent at a ratio of 1 to 20% by weight.

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9. The ink jet recording apparatus according to claim 3, wherein said color ink further comprises a basic compound and/or a basicity-adjusting compound.

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10. The ink jet recording apparatus according to claim 9, wherein said color ink contains a basic compound and/or a basicity-adjusting compound at a ratio of 0.1 to 0.8% by weight.